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OM protein - protein search, using sw model

Run on: January 3, 2003, 13:01:35 ; Search time 18 Seconds
(without alignments)
58.846 Million cell updates/sec

Title: US-09-801-784A-1

Perfect score: 173
Sequence: 1 VEKNITVTASVDPITDILQADGSAALPSAVALTYSPA 36

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Archived: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Issued Patents AA:*
1: /cgn2_6/prodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/1aa/5A_COMB.pep:*
4: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*
5: /cgn2_6/prodata/1/1aa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	173	100.0	36	5	PCT-US96-08730-1
2	173	100.0	37	2	US-08-460-617-3
3	173	100.0	37	5	PCT-US96-08730-15
4	168	97.1	37	2	US-08-460-617-4
5	167	96.5	36	2	US-08-460-617-2
6	167	96.5	36	5	PCT-US96-08730-2
7	157	90.8	37	2	US-08-460-617-6
8	157	90.8	37	5	PCT-US96-08730-5
9	157	90.8	117	5	PCT-US96-08730-11
10	155	89.6	37	5	PCT-US96-08730-3
11	155	89.6	147	5	PCT-US96-08730-9
12	155	89.6	170	1	US-08-460-739-3
13	155	89.6	170	2	US-08-483-101-11
14	153	88.4	37	2	US-08-460-617-5
15	153	88.4	37	5	PCT-US96-08730-4
16	153	88.4	148	5	PCT-US96-08730-10
17	153	88.4	171	2	US-08-483-101-10
18	147	85.0	51	5	PCT-US96-08730-13
19	147	85.0	40	5	PCT-US96-08730-14
20	138	79.8	170	2	US-08-483-101-3
21	136	78.6	36	5	PCT-US96-08730-6
22	136	78.6	40	5	PCT-US96-08730-12
23	130	75.1	36	2	US-08-460-617-7
24	130	75.1	36	2	US-08-460-617-1
25	112	64.7	25	2	US-08-460-617-8
26	112	64.7	25	5	PCT-US96-08730-7
27	86	49.7	20	5	PCT-US96-08730-8

28	78	45.1	20	2	US-08-460-617-9	Sequence 9, Appl
29	50	28.9	239	4	US-09-532-856-10	Sequence 10, Appl
30	49	28.3	394	2	US-08-867-0308-11	Sequence 11, Appl
31	49	28.3	394	5	PCT-US95-06119-11	Sequence 11, Appl
32	48.5	28.0	2154	2	US-08-841-349-4	Sequence 4, Appl
33	48	27.7	461	4	US-09-171-337A-5	Sequence 5, Appl
34	48	27.7	1289	2	US-08-853-659A-51	Sequence 51, Appl
35	47.5	27.5	349	4	US-09-149-476-371	Sequence 371, App
36	47.5	27.5	570	3	US-08-826-246-2	Sequence 2, Appl
37	47.5	27.5	570	3	US-08-944-495-2	Sequence 2, Appl
38	47.5	27.5	570	3	US-09-126-640-7	Sequence 7, Appl
39	47.5	27.5	570	4	US-08-925-588-2	Sequence 2, Appl
40	47.5	27.5	570	4	US-09-268-292A-7	Sequence 7, Appl
41	47.5	27.5	1073	1	US-07-695-564-1	Sequence 1, Appl
42	47.5	27.5	1073	1	US-08-241-387-1	Sequence 1, Appl
43	47.5	27.5	1091	1	US-07-695-564-3	Sequence 3, Appl
44	47.5	27.5	1091	1	US-08-241-387-3	Sequence 3, Appl
45	47	27.2	558	4	US-09-071-035-268	Sequence 268, App

ALIGNMENTS

RESULT 1
PCT-US96-08730-1
Sequence 1, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Caseels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
TITLE OF INVENTION: Coli of the Family CSR-CFA/1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEPHONE: (703) 591-4428
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
AMBI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-1
Query Match 100.0% Score 173, DB 5, Length 36;
Best Local Similarity 100.0% Pred. No. 3, 2e-20;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 VEKNITVTASVDPITDILQADGSAALPSAVALTYSPA 36

Db 1 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 36

RESULT 2

US-08-460-617-3
; Sequence 3, Application US/08460617
; Patent No. 5914114
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick J
; TITLE OF INVENTION: Method of Raising Antibodies Against E.
; TITLE OF INVENTION: Coli
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Associates
; STREET: 9669 A Main Street
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,617
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenn
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: cas460
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-425-4250
; TELEFAX: 703-425-2767
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: E coli

Query Match 100.0%; Score 173; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 3.4e-20;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 36
Db 2 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 37

RESULT 3

PCT-US96-08730-15
; Sequence 15, Application PC/TUS9608730
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick
; APPLICANT: Anderson, Jeffrey
; APPLICANT: Carter, John Mark
; TITLE OF INVENTION: Methods of Raising Antibodies Against E.
; TITLE OF INVENTION: Coli of the Family CSP-CFA./1
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Glenn Hendricks
; STREET: P.O. Box 2509
; CITY: Fairfax

; STATE: VA
; COUNTRY: USA
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08730
; FILING DATE: 03-JUN-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenn
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: PCT/US96/08730
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 591-4470
; TELEFAX: (703) 591-4428
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; PCT-US96-08730-15

Query Match 100.0%; Score 173; DB 5; Length 37;
Best Local Similarity 100.0%; Pred. No. 3.4e-20;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 36
Db 2 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 37

RESULT 4

US-08-460-617-4
; Sequence 4, Application US/08460617
; Patent No. 5914114
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick J
; TITLE OF INVENTION: Method of Raising Antibodies Against E.
; TITLE OF INVENTION: Coli
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Associates
; STREET: 9669 A Main Street
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,617
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenn
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: cas460
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-425-4250
; TELEFAX: 703-425-2767
; INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: E coli
US-08-460-617-4

Query Match 97.1%; Score 168; DB 2; Length 37;
Best Local Similarity 97.2%; Pred. No. 2e-19;
Matches 35; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 VEKNITVTASVDPITDILQADGSAIPSAVALTYSPA 36
1 VEKNITVTASVDPITDILQADGSAIPSAVALTYSPA 36

RESULT 5

US-08-460-617-2
Sequence 2, Application US/08460617
Patent No. 5914114
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick J
TITLE OF INVENTION: Method of Raising Antibodies Against E.
COLI
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Hendricks and Associates
STREET: 9669 A Main Street
CITY: Fairfax
STATE: VA
COUNTRY: US
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,617
FILING DATE: 02-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: cas460
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-425-4250
TELEFAX: 703-425-2767
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: E coli
US-08-460-617-2

Query Match 96.5%; Score 167; DB 2; Length 36;
Best Local Similarity 94.4%; Pred. No. 2.8e-19;
Matches 34; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 VEKNITVTASVDPITDILQADGSAIPSAVALTYSPA 36

Db 1 VEKNITVTASVDPITDILQADGSAIPSAVALTYSPA 36

RESULT 6

PCT-US96-08730-2
Sequence 2, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
COLI
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-2

Query Match 96.5%; Score 167; DB 5; Length 36;
Best Local Similarity 94.4%; Pred. No. 2.8e-19;
Matches 34; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 VEKNITVTASVDPITDILQADGSAIPSAVALTYSPA 36

Db 1 VEKNITVTASVDPITDILQADGSAIPSAVALTYSPA 36

RESULT 7

US-08-460-617-6
Sequence 6, Application US/08460617
Patent No. 5914114
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick J
TITLE OF INVENTION: Method of Raising Antibodies Against E.
COLI
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Hendricks and Associates
STREET: 9669 A Main Street
CITY: Fairfax
STATE: VA
COUNTRY: US

ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,617
FILING DATE: 02-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: cas460
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-425-4250
TELEFAX: 703-425-2767
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: E coli
US-08-460-617 6

Query Match 90.8%; Score 157; DB 2; length 37;
Best Local Similarity 88.9%; Pred. No. 1e-17;
Matches 32; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 VEKNITVTASVDPTIDILQADGSAALPSAVALTYSPA 36
Db 1 VEKNITVTASVDPTIDILQADGSAALPSAVALTYSPA 36

RESULT 8
PCT-US96-08730-5
Sequence 5, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against 2.
TITLE OF INVENTION: Coli of the Family CSF-CFA./1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-5

Query Match 90.8%; Score 157; DB 5; Length 37;
Best Local Similarity 88.9%; Pred. No. 1e-17;
Matches 32; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 VEKNITVTASVDPTIDILQADGSAALPSAVALTYSPA 36
Db 1 VEKNITVTASVDPTIDILQADGSAALPSAVALTYSPA 36

RESULT 9
PCT-US96-08730-11
Sequence 11, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
TITLE OF INVENTION: Coli of the Family CSF-CFA./1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 117 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-11

Query Match 90.8%; Score 157; DB 5; Length 117;
Best Local Similarity 88.9%; Pred. No. 5.2e-17;
Matches 32; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 VEKNITVTASVDPTIDILQADGSAALPSAVALTYSPA 36
Db 1 VEKNITVTASVDPTIDILQADGSAALPSAVALTYSPA 36

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RESULT 10
PCT-US96-08730-3
Sequence 3, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
TITLE OF INVENTION: Coll of the Family CSF-CFA./1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSER: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-3
Query Match 89.6%; Score 155; DB 5; Length 37;
Best Local Similarity 88.9%; Pred. No. 2,1e-17;
Matches 32; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 VERNITVASVPTIDLLQADGSLPSAVLTYSPA 36
DB 1 VERNITVASVPTIDLLQADGSLPSAVLTYSPA 36
RESULT 11
PCT-US96-08730-9
Sequence 9, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
TITLE OF INVENTION: Coll of the Family CSF-CFA./1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSER: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031

```

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COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-9
Query Match 89.6%; Score 155; DB 5; Length 147;
Best Local Similarity 88.9%; Pred. No. 1.5e-16;
Matches 32; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 VERNITVASVPTIDLLQADGSLPSAVLTYSPA 36
DB 1 VERNITVASVPTIDLLQADGSLPSAVLTYSPA 36
RESULT 12
US-08-460-739-3
Sequence 3, Application US/08460739
Patent No. 5698416
GENERAL INFORMATION:
APPLICANT: Wolf, Marcia K.
APPLICANT: Cassels, Frederick J.
APPLICANT: Bell, Brian A.
TITLE OF INVENTION: Improved Methods for Production of
TITLE OF INVENTION: Antigens Under Control of Temperature-Regulated Promoters
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSER: Glenna Hendricks
STREET: 9669 A Main Street
CITY: Fairfax
STATE: VA
COUNTRY: US
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,739
FILING DATE: 20-APR-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna M.
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: w01f2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 425-4250
TELEFAX: (703) 425-2767
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:

```

? LENGTH: 170 amino acids
 ? TYPE: amino acid
 ? STRANDEDNESS: unknown
 ? TOPOLOGY: unknown
 ? MOLECULE TYPE: protein
 ? HYPOTHETICAL: NO
 ? ANTI-SENSE: NO
 ? ORIGINAL SOURCE:
 ? ORGANISM: CFAL protein
 ? US-08 460-749 3

Query Match: 89.6%; Score 155; DB 1; Length 170;
 Best Local Similarity 88.9%; Pred. No. 1.8e-16;
 Matches 32; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Oy 1 VEKNITVTASVPTIDLLQADGSLPSAVALTYSPA 36
 Db 24 VEKNITVTASVPTIDLLQADGSLPSAVALTYSPA 59

RESULT 13

US-08 483 101-11
 ? Sequence 11, Application US/08483101
 ? Patent No. 5942715
 ? GENERAL INFORMATION:
 ? APPLICANT: Scott, June R.
 ? APPLICANT: Froehlich, Barbara
 ? APPLICANT: Caron, Judy
 ? TITLE OF INVENTION: CS2 Proteins and Coding Sequences
 ? NUMBER OF SEQUENCES: 17
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: Greenlee and Winner, P.C.
 ? STREET: 5370 Manhattan Circle, Suite 201
 ? CITY: Boulder
 ? STATE: Colorado
 ? COUNTRY: US
 ? ZIP: 80303
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patent in Release #1.0, Version #1.30
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/483,101
 ? FILING DATE: 07-JUN-1995
 ? CLASSIFICATION: 424
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Feiber, Donna W.
 ? REGISTRATION NUMBER: 33878
 ? REFERENCE/DOCKET NUMBER: 6-95
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (303) 499-8080
 ? TELEFAX: (303) 499-8089
 ? INFORMATION FOR SEQ ID NO: 11:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 170 amino acids
 ? TYPE: amino acid
 ? STRANDEDNESS:
 ? TOPOLOGY: unknown
 ? MOLECULE TYPE: protein
 ? HYPOTHETICAL: NO
 ? US 08 483-101 11

Query Match: 89.6%; Score 155; DB 2; Length 170;
 Best Local Similarity 88.9%; Pred. No. 1.8e-16;
 Matches 32; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Oy 1 VEKNITVTASVPTIDLLQADGSLPSAVALTYSPA 36
 Db 24 VEKNITVTASVPTIDLLQADGSLPSAVALTYSPA 59

RESULT 14

US-08-460-617-5
 ? Sequence 5, Application US/08460617
 ? Patent No. 5914114
 ? GENERAL INFORMATION:
 ? APPLICANT: Cassels, Frederick J
 ? TITLE OF INVENTION: Method of Raising Antibodies Against E.
 ? TITLE OF INVENTION: Coli
 ? NUMBER OF SEQUENCES: 9
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: Hendricks and Associates
 ? STREET: 9669 A Main Street
 ? CITY: Fairfax
 ? STATE: VA
 ? COUNTRY: US
 ? ZIP: 22031
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patent in Release #1.0, Version #1.25
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/460,617
 ? FILING DATE: 02-JUN-1995
 ? CLASSIFICATION: 424
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Hendricks, Glena
 ? REGISTRATION NUMBER: 32,535
 ? REFERENCE/DOCKET NUMBER: Cas460
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: 703-425-4250
 ? TELEFAX: 703-425-2767
 ? INFORMATION FOR SEQ ID NO: 5:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 37 amino acids
 ? TYPE: amino acid
 ? STRANDEDNESS: single
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: peptide
 ? HYPOTHETICAL: NO
 ? ANTI-SENSE: NO
 ? FRAGMENT TYPE: N-terminal
 ? ORIGINAL SOURCE:
 ? ORGANISM: E. coli
 ? US-08-460-617-5

Query Match: 88.4%; Score 153; DB 2; Length 37;
 Best Local Similarity 83.3%; Pred. No. 4.4e-17;
 Matches 30; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Oy 1 VEKNITVTASVPTIDLLQADGSLPSAVALTYSPA 36
 Db 1 VEKNITVTASVPTIDLLQADGSLPSAVALTYSPA 36

RESULT 15

PCT-US96-08730-4
 ? Sequence 4, Application PC/TUS9608730
 ? GENERAL INFORMATION:
 ? APPLICANT: Cassels, Frederick
 ? APPLICANT: Anderson, Jeffrey
 ? APPLICANT: Carter, John Mark
 ? TITLE OF INVENTION: Methods of Raising Antibodies Against E.
 ? TITLE OF INVENTION: Coli of the Family (SF CFA./1
 ? NUMBER OF SEQUENCES: 15
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: Glena Hendricks
 ? STREET: P.O. Box 2509
 ? CITY: Fairfax
 ? STATE: VA
 ? COUNTRY: USA
 ? ZIP: 22031
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-4

Query Match 88.4%; Score 153; DB 5; Length 37;
Best Local Similarity 83.3%; Pred. No. 4-17;
Matches 30; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1 VEKNITVTASVDPITDILQADGSAALPSAVALTYSPA 36
DB 1 VEKITSVTASVDPITDILQADGSAALPSAVALTYSPA 36

RESULT 16
PCT-US96-08730-10
Sequence 10, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Casels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
TITLE OF INVENTION: Coll of the Family CSF-CFA./1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 148 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-10

Query Match 88.4%; Score 153; DB 5; Length 148;
Best Local Similarity 83.3%; Pred. No. 3e-16;
Matches 30; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1 VEKNITVTASVDPITDILQADGSAALPSAVALTYSPA 36
DB 1 VEKITSVTASVDPITDILQADGSAALPSAVALTYSPA 36

RESULT 17
US-08-483-101-10
Sequence 10, Application US/08483101
Patent No. 5932715
GENERAL INFORMATION:
APPLICANT: Scott, June R.
APPLICANT: Froehlich, Barbara
APPLICANT: Caron, Judy
TITLE OF INVENTION: CS2 Proteins and Coding Sequences
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee and Winner, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: Colorado
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,101
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Reiber, Donna M.
REGISTRATION NUMBER: 33878
REFERENCE/DOCKET NUMBER: 6-95
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 171 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHETICAL: NO

US-08-483-101-10

Query Match 88.4%; Score 153; DB 2; Length 171;
Best Local Similarity 83.3%; Pred. No. 3.7e-16;
Matches 30; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1 VEKNITVTASVDPITDILQADGSAALPSAVALTYSPA 36
DB 24 VEKITSVTASVDPITDILQADGSAALPSAVALTYSPA 59

RESULT 18
PCT-US96-08730-13
Sequence 13, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Casels, Frederick

APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
COLI OF THE FAMILY CSP-CFA./1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730
FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT US96 08730 13

Query Match 85.0%; Score 147; DB 5; Length 51;
Best Local Similarity 85.7%; Pred. No. 5.9e-16;
Matches 30; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 VERNITVTSVDPTIDLLQAGSALPSAVALTYP 35
|||||:|||||:|||||:|||||:|||||
Db 1 VERNITVTSVDPTIDLLQAGSALPTAVDLTYP 35

RESULT 19
PCT-US96-08730 14
Sequence 14, Application PC/TUS9608730
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick
APPLICANT: Anderson, Jeffrey
APPLICANT: Carter, John Mark
TITLE OF INVENTION: Methods of Raising Antibodies Against E.
COLI OF THE FAMILY CSP-CFA./1
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Glenna Hendricks
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: USA
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08730

FILING DATE: 03-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: PCT/US96/08730
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 591-4470
TELEFAX: (703) 591-4428
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
PCT-US96-08730-14

Query Match 79.8%; Score 138; DB 5; Length 40;
Best Local Similarity 79.4%; Pred. No. 1.1e-14;
Matches 27; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 2 EKNTVTASVDPTIDLLQAGSALPSAVALTYP 35
|||||:|||||:|||||:|||||:|||||
Db 2 EKNTVTASVDPTIDLLQAGSALPSAVNIYLP 35

RESULT 20
US-08-483-101-3
Sequence 3, Application US/08483101
Patent No. 5932715
GENERAL INFORMATION:
APPLICANT: Scott, June R.
APPLICANT: Froehlich, Barbara
APPLICANT: Caron, Judy
TITLE OF INVENTION: CS2 Proteins and Coding Sequences
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee and Winner, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: Colorado
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,101
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33878
REFERENCE/DOCKET NUMBER: 6-95
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 170 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-101-3

Query Match 79.8%; Score 138; DB 2; Length 170;
Best Local Similarity 79.4%; Pred. No. 7.9e-14;

Query Match 64.7%; SCORE 112; DB 2; Length 25;
Best Local Similarity 92.0%; Pred. No. 6.1e-11;
Matches 23; Conservative 2; Mismatches 0; Indels

Search completed: January 3, 2003, 13:05:05
Job time : 19 secs